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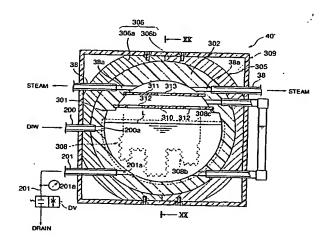
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(54) Title: SUBSTRATE PROCESSING DEVICE

(54) 発明の名称: 基板処理装置



(57) Abstract: A vapor generator (40°) provided in a substrate processing device comprises a hollow cylinder-like member (302) formed from a composite of PTFE and PFA, and a tank (301) having a pair of side wall plates (303) connected to both ends of the cylinder-like member (302). The side wall plates (303) are formed of aluminum alloy, and PFA coating is applied on the inner faces of the plates. The periphery of the tank (301) is covered by an aluminum alloy-made shell (305) for preventing the tank from deforming caused by interior pressure of the tank. Heaters (308) are installed on the outer faces of plate-like members (307) of the shell (305). The shell (305) binds the tank (301), presses and crushes elastic seals (304) between the cylinder-like member (302) and the side wall plates (303), and effects sealing and joint between the cylinder-like member (302) and the side wall plates (303).

(57) 要約: 基板処理装置に設けられる蒸気発生器 40'は、PTFEとPFAの混合物からなる中空円筒状部材302と、該円筒状部材302の両端に接続された一対の側壁板303とを有するタンク301を備えている。側壁板303はアルミニウム合金からなり、その内面にPFA被覆が施されている。タンク301の周囲は、タンク内圧に起因するタンクの変形を防止するためのアルミニウム合金製のシェル305により覆われている。シェル305の板状部材307の外面にはヒータ30

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- (81) 指定国 (国内): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
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一 国際調査報告書

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A. CLASSI Int .	FICATION OF SUBJECT MATTER C1 ⁷ H01L21/304		
According to	o International Patent Classification (IPC) or to both n	ational classification and IPC	
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Int.	ocumentation searched (classification system followed C1 ⁷ H01L21/304	, ,	
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Electronic d	ata base consulted during the international search (nam	ne of data base and, where practicable, sea	arch terms used)
C. DOCUM	IENTS CONSIDERED TO BE RELEVANT		
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Y	US 5063609 A (APPLIED MATER 11 October, 1989 (11.10.89), Fig. 2 & JP 3-137401 A Fig. 2 & EP 422653 A	IALS INC.),	1,2,5,12
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Further documents are listed in the continuation of Box C. See patent family annex.			
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family Date of the actual completion of the international search report 21 October, 2003 (21.10.03)			ne application but cited to erlying the invention cannot be claimed invention cannot be red to involve an inventive claimed invention cannot be when the document is documents, such skilled in the art family
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Japanese Patent Office			
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/08048

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¥	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 238/1984 (Laid-open No. 128733/1984) (NEC Corp.), 30 August, 1984 (30.08.84), Full text; Figs. 1 to 2 (Family: none)	9
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